

July 29, 2010



Scott Fields
Water Quality Program Director
Coeur d'Alene Tribe
P.O. Box 408
Plummer, ID 83851

Subject: City of Plummer Wastewater Treatment Plant –New Facility Discharge to Plummer Creek

Dear Mr. Fields,

As requested, accompanying this letter is a copy of the first monitoring data from the new plant's discharge to Plummer Creek, which is occurring as designed via a 260-foot long perforated header pipe embedded in a rock filter. Influent sampling is accomplished with a refrigerated composite sampler with an intake upstream of the influent lift station. Effluent sampling is accomplished using a refrigerated composite sampler with an intake upstream of the effluent lift station.

Reviewing the data, the relatively low influent value for BOD₅ appears suspicious, particularly when compared to the influent values for TSS, ammonia, and dissolved oxygen. The lab verified that three aliquots were run, and that the average value was 41. However, the effluent parameters all line up with expected values and with each other. As the commissioning period for the plant progresses through the prescribed 60 days, phosphorus treatment will come on line, and that analysis will be added for influent and effluent values. The first phosphorus testing will begin next week. The 60-day trial operation period is now scheduled for completion in mid-September. The City has not yet received a copy of the draft NPDES permit, though the existing permit is set to expire on August 31, 2010.

Unless otherwise requested, future analytical results will be forwarded with regular monthly discharge monitoring reports.

If you have any questions regarding this letter, please let me know via phone, fax, email (agay@uskh.com) or letter.

Sincerely,
USKH Inc.



Alan E. Gay, P.E.
Project Manager

Attachment: ATL Report 7/28/10

c: Mayor Tim Clark, City of Plummer, P.O. Box B, Plummer, Idaho 83851
Matt Nason, CNI, P.O. Box 6300, Coeur d'Alene, Idaho 83816
Susan Poulson, US EPA Region 10, 1200 Sixth Street, Seattle, Washington 98101
David Domingo, US EPA Region 10, 1200 Sixth Street, Seattle, Washington 98101

Work Order: 1057200

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ATL Accurate Testing Labs, LLC

7950 Meadowlark Way Coeur d'Alene, ID 83815 Phone (208) 762 8378 Fax (208) 762 9082
Web site: www.acturatetesting.com E-mail: info@accuratetesting.com

Paul Sifford
City of Plummer
P.O. Box B
Plummer, ID 83851

Order No.: 2010070462
Description: City of Plummer

Date Received: 07/21/2010

Certificate of Analysis

Sample No.: 1
Location: WWTP INF - 1
Sample Type: GRABS

Matrix: Waste Water
D/T Collected: 07/21/2010 10:00:
Collected By: Paul Sifford

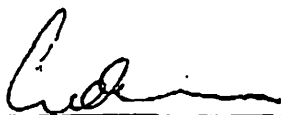
Analyte	Result	Unit	PQL	Method	Analysis Date	Analyst
Biochemical Oxygen Demand (5-day)	41	mg/L	2	SM 5210B	07/27/2010	AC
Total Suspended Solids	283	mg/L	1	SM 2540D	07/23/2010	BR
Ammonia (NH ₃ -N)	38.59	mg/L	0.08	SM 4500-NH ₃	07/28/2010	AC
pH	7.25			SM 4500H	07/21/2010	AC
Chlorine, Total	ND	mg/L	0.01	EPA 330.5	07/21/2010	AC
Dissolved Oxygen	0.39	mg/L	0.05	EPA 360.1	07/21/2010	AC
Total Coliform Bacteria	>1600	MPN/100mL	2	SM 9221B	07/23/2010	AC
Fecal Coliform Bacteria	>1600	MPN/100mL	2	SM 9221E	07/23/2010	AC
E. Coli Bacteria	>1600	MPN/100mL	2	SM 9221F	07/23/2010	AC

Sample No.: 2
Location: WWTP EFF - 1 UV Treated
Sample Type: GRABS

Matrix: Waste Water
D/T Collected: 07/21/2010 09:45:
Collected By: Paul Sifford

Analyte	Result	Unit	PQL	Method	Analysis Date	Analyst
Biochemical Oxygen Demand (5-day)	5	mg/L	2	SM 5210B	07/27/2010	AC
Total Suspended Solids	3.00	mg/L	1	SM 2540D	07/23/2010	BR
Ammonia (NH ₃ -N)	0.21	mg/L	0.08	SM 4500-NH ₃	07/28/2010	AC
pH	7.85			SM 4500H	07/21/2010	AC
Dissolved Oxygen	7.83	mg/L	0.05	EPA 380.1	07/21/2010	AC
Total Coliform Bacteria	4	MPN/100mL	2	SM 9221B	07/25/2010	WM
Fecal Coliform Bacteria	ND	MPN/100mL	2	SM 9221E	07/24/2010	WM
E. Coli Bacteria	ND	MPN/100mL	2	SM 9221F	07/24/2010	WM

AHN: ALAN CAY


Laboratory Supervisor

07/28/2010